

Beryl Blossom

by Arya Akhavan (April 2014)

Angles for R.I. = 1.580

61 + 12 girdles = 73 facets

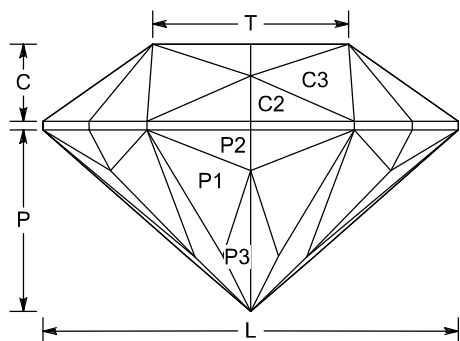
3-fold, mirror-image symmetry

96 index

$L/W = 1.113$ $T/W = 0.525$ $U/W = 0.507$

$P/W = 0.485$ $C/W = 0.206$

$Vol./W^3 = 0.270$



PAVILION

P1	42.50°	04-12-20-28-36-44-52-60-68-76-84-92	Cut to centerpoint.
G1	90.00°	01-15-17-31-33-47-49-63-65-79-81-95	Set stone size.
P2	58.68°	01-15-17-31-33-47-49-63-65-79-81-95	Level girdle.
P3	41.50°	03-29-35-61-67-93	Meet P1, P2
P4	41.62°	11-21-43-53-75-85	Meet P1, G1, G2; culet

CROWN

C1	46.35°	15-17-47-49-79-81	Set girdle width.
C2	45.00°	01-31-33-63-65-95	Level girdle.
C3	32.95°	05-27-37-59-69-91	Meet G1, G2, C1, C2
C4	26.26°	03-29-35-61-67-93	Meet C2, C3
T	0.00°	Table	Meet C1, C3, C4

This design came from me messing with my "Eye of Zul" design's symmetry. Notice how the outline is hexagonal, but the design itself has 3-fold triangular symmetry? It makes for a very interesting pavilion. Works in materials from beryl to rutile (RI = 1.58 - 2.62) with no changes, but I prefer it in aquamarine.

Suggested size = 8-15 mm

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